

## SPECIFICATION

CultureSureR L-Arginine Hydrochloride, Animal-derived-free  
for Cell Culture

REQUIREMENT	SPECIFICATION
Description	White crystals or crystalline powder
Identification (1)	to pass test
Identification (2)	to pass test
Optical rotation [ $\alpha$ ]D <sub>20</sub> (after drying)	+21.5~+23.5°
pH	4.7~6.2
Purity	-
Clarity and color of solution	to pass test
Sulfates	max.0.028%
Ammonium	max.0.02%
Heavy metals	max.20ppm
Arsenic	max.2ppm
Related substances	to pass test
Loss on drying	max.0.20%
Residue on ignition	max.0.1%
Assay (after drying)	min.98.5%
Bacterial endotoxins	less than 10.0EU/g
Mycoplasma test	to pass test
Viable count test	max.50CFU/g